

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
26 June 2025 (26.06.2025)



(10) International Publication Number
WO 2025/131869 A1

(51) International Patent Classification:

C22B 1/00 (2006.01) C22B 23/02 (2006.01)
C22B 1/02 (2006.01) C22B 26/12 (2006.01)
C22B 5/02 (2006.01) H01M 10/54 (2006.01)
C22B 7/00 (2006.01) C22B 1/14 (2006.01)
C22B 9/10 (2006.01)

Published:

— with international search report (Art. 21(3))

(21) International Application Number:

PCT/EP2024/085453

(22) International Filing Date:

10 December 2024 (10.12.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

23219716.0 22 December 2023 (22.12.2023) EP

(71) Applicant: UMICORE [BE/BE]; 31, Rue du Marais, 1000
Brussels (BE).

(72) Inventor: YAGI, Ryohei; Watertorenstraat 33, 2250 Olen
(BE).

(74) Agent: CLAUSWITZ, Kai-Uwe; Rodenbacher Chaussee
4, 63457 Hanau-Wolfgang (DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA,
NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO,
RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST,
SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ,
RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ,
DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT,
LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,
SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, KM, ML, MR, NE, SN, TD, TG).

(54) Title: SMELTING OF PYROLYZED BATTERY

(57) Abstract: The present patent application relates to a method of recovering valuable metals from waste batteries comprising - a pyrolysis step comprising pyrolysis of the waste batteries at a temperature of from about 700°C to about 1300°C, thus obtaining pyrolyzed batteries; - a size reduction step, comprising size reduction of the pyrolyzed batteries; - a smelting step, comprising smelting the pyrolyzed, size reduced waste batteries at temperatures of 1350°C or higher under oxidizing conditions. The method shows improved control of the smelting step and the temperature, reduces the amount of slag generated as well as the release of explosive gas.



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